

IN THE CLAIMS

Please cancel claims 1, 5, 6, 8-10, 14, 15, 19, 29-35, 42, 45, 47-50, 57, and 58 without prejudice or disclaimer, add new claim 66, and amend the remaining claims as follows.

1. CANCELLED
2. (Currently Amended) The process of claim 64 †, wherein the resin is at least one resin selected from the group consisting of polyurethane, polyisocyanurate, and phenolic resins.
3. (Currently Amended) The process of claim 64 †, further comprising passing the particles through a screen.
4. (Currently Amended) The process of claim 64 †, wherein the preselected amount of water is between about 1 to about 15% by weight.
5. CANCELLED
6. CANCELLED
7. (Original) The process of claim 64 6, wherein the bonding agent further comprises a blowing agent.
- 8-10. CANCELLED
11. (Currently Amended) The process of claim 64 †, further comprising at least one carrier web for pressing in the pressing step.

12. (Currently Amended) The process of claim 64 ~~1~~, further comprising the step of adding at least one flame retardant to the mixture.

13. (Original) The process of claim 12, wherein the flame retardant is tri-chlorophosphate.

14. CANCELLED

15. CANCELLED

16. (Currently Amended) The process of claim 64 ~~14~~, wherein the step of providing a decorative upper surface includes the steps of

laminating at least one uppermost overlay web of melamine-formaldehyde resin impregnated α -cellulose paper with at least one decorative web of decorated melamine-formaldehyde resin impregnated α -cellulose paper under heat and pressure; and,
curing the resin at least partially; and,
bonding the webs to one another.

17. (Original) The process of claim 16, further comprising the step of laminating the at least one uppermost overlay web of melamine-formaldehyde resin impregnated α -cellulose paper and the at least one decorative web of decorated melamine-formaldehyde resin impregnated α -cellulose paper under heat and pressure with at least one group of support webs.

18. CANCELLED

19. (Original) The process of claim 17, wherein the support group of support webs includes paper webs impregnated with at least one of a group of resins including phenol-formaldehyde resin, urea-formaldehyde resin, and melamine-formaldehyde resin.

20. (Original) The process of claim 17, further comprising the step of coating at least one web with a layer of hard-particles having an average size in the range of 50nm - 150 μ m.

21. (Original) The process of claim 20, wherein the hard particles are at least one selected from the group consisting of α aluminum oxide, silicon carbide, and silicon oxide.

22. (Original) The process of claim 20, wherein at least the overlay layer contains 2-100 grams of hard particles per square meter of web.

23. (Original) The process of claim 16, wherein the curing step is performed before the upper decorative surface is bonded to the board.

24. (Currently Amended) The process of claim 64 9, wherein the pressing step includes the step of increasing pressure between the belts toward an end of the pressing step.

25. (Original) The process of claim 16, wherein the uppermost overlay web is a printed foil.

26. (Original) The process of claim 25, wherein the printed foil is made of an α -cellulose impregnated with a polymeric lacquer or resin.

27. CANCELLED

28. (Original) The process of claim 25, wherein the printed foil is made of a polymer comprising at least one selected from the group consisting of polyvinyl-chloride, polyester, polypropylene, polyethylene, polyurethane, and acrylic.

29-35. CANCELLED

36. (Currently Amended) The process as in claim ~~64~~ 35, wherein the cured rigid resin and the bonding agent are of different colors.

37. (Currently Amended) The process of claim ~~64~~ ~~1~~, further comprising the step of adding pigmentation to the bonding agent.

38. (Currently Amended) The process as in claim ~~64~~ 35, wherein the translucent or semi-translucent web is at least one selected from the group consisting of a foil and a printed decor layer web.

39. (Original) The process as in claim 38, wherein the printed decor web is semi-translucent.

40. (Original) The process as in claim 38, wherein the printed decor is opaque and covers at least a portion of the foil or web.

41. (Currently Amended) The process as in claim ~~64~~ 35, wherein the translucent or semi-translucent layer comprises α cellulose impregnated with a polymeric resin or lacquer.

42. CANCELLED

43. (Currently Amended) The process as in claim ~~64~~ 35, wherein the translucent or semi-translucent layer is a polymer.

44. (Original) The process as in claim 43, wherein the polymer is at least one selected from the group consisting of a polyvinyl-chloride acrylic, polyester, polypropylene, polyethylene, and polyurethane.

45. CANCELLED

46. (Original) The process as in claim 45, wherein the at least one wear layer comprises an α cellulose impregnated with a polymeric resin or lacquer.

47-50. CANCELLED

51. (Original) The process as in claim 44, wherein the at least one wear layer includes 2-100 g/m² of hard particles, the hard particles being composed of at least one of α -aluminum oxide, silicon carbide, or silicon oxide; and wherein each particle has an average size in the range of 50 nm - 150 μ m.

52. (Original) The process as in claim 51, wherein each particle has an average size in the range of 50 nm - 30 μ m.

53. (Currently Amended) The process of claim ~~64~~ †, further comprising the step steps of
applying a decor on an upper side of the board by printing the decor directly on the surface via transfer printing.

54. (Original) The process as in claim 53, further comprising the step of sanding or coating the surface of the board before applying the decor.

55. (Original) The process as in claim 53, further comprising the step of applying at least one wear layer on top of the decor.

56. (Original) The process as in claim 55, wherein at least one of the wear layer comprise α -cellulose impregnated with a polymeric resin or laquer.

57. CANCELLED

58. CANCELLED

59. (Original) The process as in claim 55, further comprising the step of allowing the at least one wear layer to at least partially cure before applying a subsequent wear layer.

60. (Original) A process as in claim 55, wherein the at least one wear layer includes 2-100 g/m² of hard particles of α -aluminum oxide, silicon carbide, or silicon oxide, each particle having an average size in the range of 50nm - 150 μ m

61. (Original) A process as in claim 60, wherein each particle has an average size in the range of 50 nm - 30 μ m.

62. CANCELLED

63. CANCELLED

64. (Currently Amended) ~~The A process for manufacturing a board, the board comprising particles bonded to each other in a pressing procedure with an adhesive, the process of claim 1, further comprising the steps of:~~

grinding a cured, rigid resin into particles;

allowing the particles to absorb a preselected amount of water;

adding a bonding agent to the particles;

forming a mixture of the particles, water, and bonding agent;

pressing the mixture into a material of substantially uniform thickness;

applying a decor on an upper side of the board by printing the decor directly on the upper side surface via non-transfer printing;

providing a decorative upper surface during board formation; by laminating under heat and pressure at least one group of support webs to the material, the support webs comprising paper webs impregnated with a resin;

applying at least one wear layer of α -cellulose on top of the a support web; and
wherein:

the bonding agent is a mixture of polyols;

the pressing is performed in a continuous belt press; and

an uppermost web of said support webs is a semi-translucent web.

65. (Previously Presented) The process of claim 64, wherein the bonding agent is a mixture of polyols and crude methylene diphenyl diisocyanate.

66. (New) The process of claim 64, wherein the preselected amount of water is between about 0.8-12 % by weight.